

PAST AND FUTURE OF 3D-TECHNOLOGY

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You have probably seen 3D films in the cinema or heard about the latest 3D screens. They are already on the market. In fact, 3D is not new. But what really makes this technology so exciting?

The concept of stereo images appeared in the XIX-th century. Charles Witton made a demonstration device, the principle of which was based on physiological characteristics of the human vision – on the difference in perception of the right and left eyes. That device allowed to see an object in volume, rather than flat. And finally, in the era of digital technologies, 3D technology has got a new and progressive solution and use.

3D – technology can be used anywhere. You should understand the main advantage of 3D – format – a new standard of visualization, which strongly affects our perception and helps our brain to see what was previously impossible. 3D – technology is already used in different types of human activity, not only in entertainments. For example, visualization, reconstitution and the creation of virtual reality facilitate and reduce the costs and increase productivity and improve solutions in industrial and design organizations.

Medicine is one of the best areas where 3D – technology will be developed and widely used: it will be very effective for solving the latest problems because practice and experience are very important, the virtual three-dimensional body models will be ideal instruments and examples for practice in training future doctors. 3D – technology is also used in stomatology. Now in promoted dental center 3-dimensional modeling of the tooth is carried out. The internet services will be also need a 3D – technology. Imagine, how it will be interesting to the user when he visits the site, where visualization is given in three-dimensional graphics.

3D – technology opens interesting possibilities for distance learning where three-dimensional teaching books will be used. And of course 3D will be used in the entertainments. We have already televisions, monitors, projectors, scanners, video and photo cameras with 3D.

Some words about the negative effects of 3D: you should be very careful while watching 3D films because some people may experience discomfort, headaches, dizziness and etc. And, of course, while watching you should wear special eyeglasses.